LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY HHSA REGION[†], 2010 Number and Percent of Deaths

		REGION [™]											
COUNTY-		N. Coa	stal	N. Cer	ntral	Cent	ral	Sou	th	Eas	st	N. Inla	and
WIDE								number					
RANK in		number		number		number		of		number		number	
2010 ^a	CAUSE OF DEATH ^b	of deaths	%	of deaths	%	of deaths	%	deaths	%	of deaths	%	of deaths	%
	Malignant neoplasms	815	25.0		26.4	658	25.1	701	26.6		25.2		23.3
2	Diseases of heart	776	23.8		22.5	649	24.8	652	24.7	818	23.4	889	23.3
3	Alzheimer's disease	262	8.0		6.6		3.7	124	4.7	186	5.3		7.8
4	Chronic lower respiratory diseases	197	6.0	170	5.1	128	4.9	122	4.6	196	5.6	245	6.4
5	Cerebrovascular diseases	182	5.6	173	5.1	124	4.7	161	6.1	179	5.1	214	5.6
6	Accidents (unintentional injuries)	164	5.0	151	4.5	150	5.7	92	3.5	170	4.9	186	4.9
7	Diabetes mellitus	66	2.0	73	2.2	97	3.7	109	4.1	132	3.8	102	2.7
8	Intentional self-harm (suicide)	57	1.7	82	2.4	50	1.9	30	1.1	61	1.7	70	1.8
9	Chronic liver disease and cirrhosis	60	1.8	46	1.4	51	1.9	38	1.4	58	1.7	57	1.5
10	Influenza and pneumonia	54	1.7	62	1.8	33	1.3	40	1.5	47	1.3	53	1.4
	Essential (primary) hypertension and												
11	hypertensive renal disease	39	1.2	38	1.1	39	1.5		0.9	83	2.4	57	1.5
12	Parkinson's disease	44	1.3	46	1.4	16	0.6	22	0.8	34	1.0	53	1.4
	Nephritis, nephrotic syndrome and												
13	nephrosis	19	0.6	17	0.5	17	0.6	24	0.9	27	0.8	34	0.9
14	Septicemia	14	0.4	31	0.9	23	0.9	21	0.8	24	0.7	17	0.4
15	Viral hepatitis	14	0.4	14	0.4	25	1.0	26	1.0	26	0.7	18	0.5
	All Other Causes	498	15.3	595	17.7	462	17.6	450	17.1	577	16.5	636	16.7
	TOTAL DEATHS:	3,261	100.0	3,366	100.0	2,619	100.0	2,636	100.0	3,501	100.0	3,819	100.0

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15 leading causes of death presented here are based on the county-wide rank among San Diego County residents in 2010.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2010 estimates released July 2012)

Prepared by County of San Diego, Health & Human Services Agency, Public Health Services, Epidemiology & Immunization Services Branch, 7/26/2012

^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

[†] HHSA Regions were created by grouping contiguous zip codes.

LEADING CAUSES OF DEATH AMONG SAN DIEGO COUNTY RESIDENTS BY HHSA REGION † , 2010 Age-Adjusted Rates

COUNTY-								
WIDE				REG	ION [†]			
RANK in								SAN DIEGO
2010 ^a	CAUSE OF DEATH ^b	N. Coastal	N. Central	Central	South	East	N. Inland	COUNTY
1	Malignant neoplasms	154.3	149.8	177.6	168.5	180.4	145.4	161.3
2	Diseases of heart	136.5	120.5	178.6	157.7	164.1	135.7	146.6
3	Alzheimer's disease	43.8	34.3	27.9	29.6	36.3	43.8	37.2
4	Chronic lower respiratory diseases	37.1	27.8	36.9	29.7	40.8	40.4	35.7
5	Cerebrovascular diseases	32.1	28.6	34.1	39.2	35.7	33.4	33.7
6	Accidents (unintentional injuries)	29.7	24.3	33.2	21.2	34.7	31.1	29.2
7	Diabetes mellitus	11.8	12.2	26.1	26.5	26.6	17.0	19.1
8	Intentional self-harm (suicide)	10.3	13.0	10.9	6.2	12.0	11.8	11.0
9	Chronic liver disease and cirrhosis	11.0	7.8	12.2	8.7	11.1	9.0	9.9
10	Influenza and pneumonia	9.2	9.7	9.3	9.5	9.1	8.5	9.2
	Essential (primary) hypertension and							
11	hypertensive renal disease	7.0	5.6	10.6	5.8	16.6	9.1	9.0
12	Parkinson's disease	7.6	7.6	*	5.5	7.6	8.3	7.2
	Nephritis, nephrotic syndrome and							
13	nephrosis	*	*	*	6.0	5.5	5.5	4.5
14	Septicemia	*	5.2	6.7	5.3	5.1	*	4.4
15	Viral hepatitis	*	*	5.7	5.8	4.5	*	3.8
	TOTAL DEATHS:	588.9	548.3	699.9	632.1	708.3	605.1	627.6

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories. The top 15 leading causes of death presented here are based on the county-wide rank among San Diego County residents in 2010.

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^{*} Rate not calculated for fewer than 20 deaths in this category.

Table 1. North Coastal Region

		Number of		Crude	Age- adjusted
Rank ^a	Cause of Death ^b	Deaths	%	Rate ^c	Rate ^c
1	Malignant neoplasms (all cancers)	815	25.0	157.4	154.3
2	Diseases of heart	776	23.8	149.8	136.5
3	Alzheimer's disease	262	8.0	50.6	43.8
4	Chronic lower respiratory diseases	197	6.0	38.0	37.1
5	Cerebrovascular diseases	182	5.6	35.1	32.1
6	Accidents (unintentional injuries)	164	5.0	31.7	29.7
7	Diabetes mellitus	66	2.0	12.7	11.8
8	Chronic liver disease and cirrhosis	60	1.8	11.6	11.0
9	Intentional self-harm (suicide)	57	1.7	11.0	10.3
10	Influenza and pneumonia	54	1.7	10.4	9.2
	All other causes	628	19.3		
	TOTAL DEATHS	3,261	100.0	629.7	588.9

Table 2. North Central Region

		Number			Age-
		of		Crude	adjusted
Rank ^a	Cause of Death ^b	Deaths	%	Rate ^c	Rate ^c
1	Malignant neoplasms (all cancers)	888	26.4	148.9	149.8
2	Diseases of heart	757	22.5	126.9	120.5
3	Alzheimer's disease	223	6.6	37.4	34.3
4	Cerebrovascular diseases	173	5.1	29.0	28.6
5	Chronic lower respiratory diseases	170	5.1	28.5	27.8
6	Accidents (unintentional injuries)	151	4.5	25.3	24.3
7	Intentional self-harm (suicide)	82	2.4	13.7	13.0
8	Diabetes mellitus	73	2.2	12.2	12.2
9	Influenza and pneumonia	62	1.8	10.4	9.7
10	Parkinson's disease	46	1.4	7.7	7.6
	All other causes	741	22.0		
	TOTAL DEATHS	3,366	100.0	564.3	548.3

Table 3. Central Region

		Number			Age-
		of		Crude	adjusted
Rank ^a	Cause of Death ^b	Deaths	%	Rate ^c	Rate ^c
1	Malignant neoplasms (all cancers)	658	25.1	137.6	177.6
2	Diseases of heart	649	24.8	135.7	178.6
3	Accidents (unintentional injuries)	150	5.7	31.4	33.2
4	Chronic lower respiratory diseases	128	4.9	26.8	36.9
5	Cerebrovascular diseases	124	4.7	25.9	34.1
6	Diabetes mellitus	97	3.7	20.3	26.1
7	Alzheimer's disease	97	3.7	20.3	27.9
8	Chronic liver disease and cirrhosis	51	1.9	10.7	12.2
9	Intentional self-harm (suicide)	50	1.9	10.5	10.9
	Essential (primary) hypertension and				
10	hypertensive renal disease	39	1.5	8.2	10.6
	All other causes	576	22.0		
	TOTAL DEATHS	2,619	100.0	547.8	699.9

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2010 estimates released July 2012)

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^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population; age-adjusted rates are adjusted to 2000 U.S. Standard Population.

 $^{^{\}dagger}\, \text{HHSA}$ Regions were created by grouping contiguous zip codes.

LEADING CAUSES OF DEATH IN EACH HHSA REGION [†], SAN DIEGO COUNTY, 2010 Number and Percent of Deaths, Crude Rates and Age-adjusted Rates

Table 4. South Region

		Number		Cuido	Age-
	h	of		Crude	adjusted
Rank ^a	Cause of Death ^b	Deaths	%	Rate ^c	Rate ^c
1	Malignant neoplasms (all cancers)	701	26.6	148.4	168.5
2	Diseases of heart	652	24.7	138.0	157.7
3	Cerebrovascular diseases	161	6.1	34.1	39.2
4	Alzheimer's disease	124	4.7	26.3	29.6
5	Chronic lower respiratory diseases	122	4.6	25.8	29.7
6	Diabetes mellitus	109	4.1	23.1	26.5
7	Accidents (unintentional injuries)	92	3.5	19.5	21.2
8	Influenza and pneumonia	40	1.5	8.5	9.5
9	Chronic liver disease and cirrhosis	38	1.4	8.0	8.7
10	Intentional self-harm (suicide)	30	1.1	6.4	6.2
	All other causes	567	21.5		
	TOTAL DEATHS	2,636	100.0	558.0	632.1

Table 5. East Region

		Number of		Crude	Age- adjusted
Rank ^a	Cause of Death ^b	Deaths	%	Ratec	Rate ^c
1	Malignant neoplasms (all cancers)	883	25.2	190.3	180.4
2	Diseases of heart	818	23.4	176.3	164.1
3	Chronic lower respiratory diseases	196	5.6	42.2	40.8
4	Alzheimer's disease	186	5.3	40.1	36.3
5	Cerebrovascular diseases	179	5.1	38.6	35.7
6	Accidents (unintentional injuries)	170	4.9	36.6	34.7
7	Diabetes mellitus	132	3.8	28.4	26.6
	Essential (primary) hypertension and				
8	hypertensive renal disease	83	2.4	17.9	16.6
9	Intentional self-harm (suicide)	61	1.7	13.1	12.0
10	Chronic liver disease and cirrhosis	58	1.7	12.5	11.1
•	All other causes	735	21.0		
	TOTAL DEATHS	3,501	100.0	754.6	708.3

Table 6. North Inland Region

		Number			Age-
		of		Crude	adjusted
Rank ^a	Cause of Death ^b	Deaths	%	Rate ^c	Rate ^c
1	Malignant neoplasms (all cancers)	889	23.3	156.9	145.4
2	Diseases of heart	889	23.3	156.9	135.7
3	Alzheimer's disease	299	7.8	52.8	43.8
4	Chronic lower respiratory diseases	245	6.4	43.2	40.4
5	Cerebrovascular diseases	214	5.6	37.8	33.4
6	Accidents (unintentional injuries)	186	4.9	32.8	31.1
7	Diabetes mellitus	102	2.7	18.0	17.0
8	Intentional self-harm (suicide)	70	1.8	12.4	11.8
	Essential (primary) hypertension and				
9	hypertensive renal disease	57	1.5	10.1	9.1
10	Chronic liver disease and cirrhosis	57	1.5	10.1	9.0
	All other causes	811	21.2		
	TOTAL DEATHS	3,819	100.0	674.2	605.1

^a Rank is based on total number of deaths in each of the National Center for Health Statistics (NCHS) "rankable" categories.

Source: California Department of Public Health, Center for Health Statistics, Office of Health Information and Research, Death Statistical Master Files; SANDAG January 1 population estimates (2001-2010 estimates released July 2012)

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^b Cause of death is based on the underlying cause of death reported on death certificates as classified by ICD-10 codes.

^c All rates are per 100,000 population; age-adjusted rates are adjusted to 2000 U.S. Standard Population.

[†] HHSA Regions were created by grouping contiguous zip codes.